

MEETING FOR BUSINESS, MARCH 28, 1843.

VICE PRESIDENT MORTON in the Chair.

The Society, having completed its ordinary business, proceeded to an election for Members and Correspondents, when the following gentlemen were announced duly chosen:

MEMBER.

Hon. Edward King, President Judge of the first Judicial District of Pennsylvania.

CORRESPONDENT.

Professor Kesteloot, of Ghent.

STATED MEETING, APRIL 4, 1843.

VICE PRESIDENT MORTON in the Chair.

DONATIONS TO MUSEUM.

Green Quartz and Pyrope from Delaware county, Pennsylvania. From Mr. Cassin.

Six skins of birds (Falconidæ) from South Africa. From Dr. Watson.

DONATIONS TO LIBRARY.

Schriften der in St. Petersburg gestifteten Russisch-Kaiserlichen Gesellschaft für die gesammte Mineralogie. I^e Band, I^{te}. & II^{te}. Abtheilung mit Steindrucktafeln. St.

Petersburg, 1842. From the Imperial Mineralogical Society, through Charles Cramer, Esq.

WRITTEN COMMUNICATIONS.

A letter was read from Dr. S. H. Dickson, dated Charleston, South Carolina, March 26, 1843, acknowledging the receipt of his notice of election as a Correspondent of the Academy.

Also a letter from Mr. J. H. Redfield, Corresponding Secretary of the New York Lyceum of Natural History, dated March 21, 1843, acknowledging the receipt of the Proceedings of the Academy.

VERBAL COMMUNICATIONS.

Prof. Henry D. Rogers drew the attention of the Society to the stratigraphical features of the environs of St. Petersburg, as represented in the maps and sections appended to the volume of "Publications of the Imperial Russian Society," just laid upon the table. He pointed out, in particular, the perfect identity in the form of the Russian anticlinal flexures and those of the Appalachian chain of the United States; the resemblance consisting in the want of a symmetrical curvature in the arches, and an inequality in the steepness of the dips on the opposite sides of the axes.

Alluding to the structural laws first developed by his brother and himself from a study of the Appalachian chain, and conceived by them to characterize regions of anticlinal axes generally, he proceeded to show that upon the theory of the origin of these flexures, the same style of curvature should be met with in all countries, as a necessary consequence of the universality of those laws. The exhibition, therefore, of an anticlinal arch, having the normal form, in the banks of the Pulkowka in Russia, goes to confirm the generalizations of these authors. Instances of the same characteristic feature are to be met with abundantly, however, in the sections which geologists present of the stratification in many other districts of Europe.

BUSINESS BY SPECIAL RESOLUTION.

On motion, Resolved, That the Publication Committee be authorized to present to the Naval Lyceum, Brooklyn, the Second Part of Volume 8, of the Academy's Journal.

STATED MEETING, APRIL 11, 1843.

Dr. PATTERSON in the Chair.

DONATIONS TO LIBRARY.

The Natural History of British Shells, including figures and descriptions of all the species hitherto discovered in Great Britain, &c. 5 vols. 8vo. By E. Donovan, F. L. S. London, 1804. From Mrs. Lucy W. Say.

Ancient Egypt; her Monuments, Hieroglyphics, History and Archæology, and other subjects connected with Hieroglyphical Literature. By George R. Gliddon, late U. S. Consul at Cairo. New York, 1842. From the Author.

WRITTEN COMMUNICATIONS.

Communications were read from the American Philosophical Society, dated January 6, 1843, and from G. E. Dennis, Honorary Secretary of the London Botanical Society, acknowledging the receipt of the Proceedings and other publications of the Academy.